

WHAT IS CLAIMED IS:

1. A hard disk latch structure comprising:
  - a hard disk base frame being generally U-shaped in lateral cross-section and including a first sidewall, a second sidewall and
  - 5 a top wall, wherein said first sidewall having a first sliding mechanism, a first locking mechanism and a first assembling mechanism, at least two receiving plate each being integrally formed and projecting perpendicularly out from the top wall of said hard disk base frame adjacent to both said first sidewall and
  - 10 said second sidewall respectively, a hard disk receptacle being defined as the space between said receiving plates, each of said receiving plates including a sliding groove and an outer sliding surface, each of said sliding grooves having an insertion end and a blocking end;
- 15 a hard disk being received within said hard disk receptacle and having at least one screw mounted on each sidewall thereof, each of said screws respectively corresponding to one said sliding groove and being capable of sliding from said insertion end to said blocking end; and
- 20 a mounting element corresponding to an outer surface of the first sidewall of said hard disk base frame, said mounting element including a second sliding mechanism, at least one blocking object, a handling portion and a second assembling mechanism, wherein said second assembling mechanism corresponding to said first assembling mechanism and being capable of sliding thereon, said second sliding mechanism corresponding to the first sliding mechanism of said first sidewall and being capable of sliding
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thereon, said at least one blocking object supporting against the outer sliding surface of the at least two receiving plate adjacent to said first sidewall, said handling portion being composed of a resilient part, a handle, and a second locking mechanism being  
5 formed on a corresponding surface of said resilient part facing to said first sidewall, said handle being pulled to facilitate a sliding motion between said mounting element and said hard disk base frame, said at least one blocking object thereby being urged to slide along one of said receiving plates to lock said screws  
10 attached to said hard disk at the blocking ends of said sliding grooves, said second locking mechanism accordingly being resiliently ejected into said first locking mechanism.

2. The hard disk latch structure of claim 1, wherein said first sliding mechanism is a groove, and said second sliding mechanism  
15 is a block erected from the inner surface of said mounting element, which fits into and slide along said groove.

3. The hard disk latch structure of claim 1, wherein said first locking mechanism is a receiving hole, and said second locking mechanism is a hooking piece capable of being resiliently ejected  
20 into said receiving hole.

4. The hard disk latch structure of claim 1, wherein said first assembling mechanism is an elongated hole, and said second assembling mechanism is a locking hook set capable of being slidably snap-fit into said elongated hole.

25 5. The hard disk latch structure of claim 1, wherein at least one mounting hook extending from said first sidewall or said second

sidewall and corresponding to hook on at least one receiving hole on the chassis of a computer.